AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

LIBRARY
SEP 17 1957
WEATHER BUREAU

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

MARCH 1957

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MARCH 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.4	57.9	58.4	58.2	22.4	16.2	17.8	22.1	18.6	19.5
2	58.9	57.7	58.3	58.3	20.1	15.4	17.3	18.6	16.7	17.5
3	57.5	57.8	59.7	58.3	16.8	12.0	16.1	14.4	14.6	15.0
4	61.3	61.4	61.5	61.4	15.5	10.6	13.4	14.6	12.2	13.4
5	60.3	59.7	59.6	59.9	16.4	7.9	13.5	13.7	11.7	13.0
6	57.9	57.1	58.1	57.7	12.3	8.1	8.2	10.0	11.7	10.0
7	59.3	59.8	61.6	60.2	16.7	10.7	12.9	16.7	11.8	13.8
8	63.8	63.9	64.3	64.0	16.8	12.4	13.3	14.3	13.8	13.8
9	62.7	59.7	58.5	60.3	18.5	13.6	15.8	18.3	15.6	16.6
10	57.2	57.4	57.8	57.5	18.2	12.1	15.8	15.6	13.9	15.1
11	57.6	56.6	57.7	57.3	18.0	11.6	15.7	17.0	12.4	15.0
12	57.7	57.2	58.4	57.8	17.1	9.5	14.1	15.8	12.2	14.0
13	58.1	58.3	58.1	58.2	14.0	7.6	12.7	10.9	12.0	11.9
14	58.9	58.7	58.9	58.8	14.6	7.6	11.7	12.8	9.0	11.2
15	60.9	62.7	65.0	62.9	16.5	10.7	11.4	15.6	12.5	13.2
16	66.8	65.7	65.5	66.0	17.9	11.9	15.6	17.4	13.3	15.4
17	64.8	65.0	65.2	65.0	18.6	12.5	15.8	17.6	13.7	15.7
18	66.8	66.4	66.8	66.7	19.1	13.2	16.1	18.8	15.1	16.7
19	65.7	63.6	62.1	63.8	19.0	15.4	15.8	17.9	17.2	17.0
20	59.6	58.2	58.2	58.7	20.2	17.1	17.9	19.1	18.3	18.4
21	58.2	58.1	58.2	58.2	23.8	18.3	21.1	23.0	21.4	21.8
22	57.7	56.9	57.5	57.4	26.0	17.6	20.1	25.1	19.3	21.5
23	56.7	58.1	57.0	57.3	22.7	15.9	21.7	20.0	17.0	19.6
24	58.3	58.1	58.8	5.84	20.0	15.3	16.9	17.6	16.0	16.8
25	59.0	59.1	60.7	59.6	21.1	14.6	17.4	20.7	17.1	18.4
26	61.2	60.8	61.5	61.2	20.2	13.9	18.1	19.7	16.1	18.0
27	62.2	62.1	62.2	62.2	19.8	15.0	17.4	19.1	16.1	17.5
28	61.5	61.0	60.8	61.1	20.2	15.8	17.1	20.0	16.7	17.9
29	55.2	55.4	57.0	55.8	25.5	11.8	21.3	24.9	20.4	22.2
30	58.2	59.0	59.9	59.0	20.5	11.5	13.0	13.8	11.9	12.9
31	60.5	59.9	60.3	60.2	19.9	12.6	16.2	19.1	14.7	16.7
	60.09	59.78	60.25	60.05	18.98	12.85	15.85	17.55	14.94	16.12

Barometer, range for month 766.8 mm. — 755.2 mm.
„ 71-yr. average for month 761.187 mm.
Thermometer, range for month 26.0°C — 7.6°C
„ 71-yr. average for month 16.16°C
Rain total for month 175.45 mm.
„ 71-yr average for month 92.54 mm.
„ Total, Sept. 1st. to end of month 579.60 mm.
„ 71-yr average. Sept. 1st. to end of month 814.84 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	12.8	14.0	12.3	13.0	64	53	59	59	8.6	290	
2	16.3	17.2	16.8	16.8	82	80	88	83	7.4	241	
3	15.6	14.4	19.6	16.5	86	88	59	78	1.0	579	4.62
4	9.2	11.5	9.6	10.1	59	69	69	66	1.5	174	2.90
5	9.2	10.5	10.1	9.9	62	65	71	66	6.2	589	
6	9.3	10.5	9.2	9.7	84	87	68	80	0.6	504	11.60
7	10.1	10.7	11.9	10.9	69	56	88	71	5.6	404	4.18
8	11.9	13.9	11.5	12.4	77	84	72	78	3.1	295	2.38
9	10.6	13.3	14.0	12.6	60	63	80	68	8.6	447	
10	14.0	11.1	11.5	12.2	80	63	73	72	6.3	269	
11	11.6	13.7	12.3	12.5	65	70	85	73	6.7	269	0.42
12	11.9	12.1	12.3	12.1	77	70	87	78	4.5	415	1.83
13	12.4	11.8	9.2	11.1	83	89	64	79	0.1	504	14.73
14	11.4	13.3	11.0	11.9	83	89	95	89	2.8	404	69.40
15	9.6	11.1	9.2	10.0	73	62	65	67	8.6	299	5.30
16	8.8	11.8	10.5	10.4	51	57	69	59	8.8	449	
17	10.6	13.3	11.5	11.8	60	65	72	66	8.3	480	
18	12.6	15.5	14.6	14.2	68	71	82	74	9.2	195	
19	15.0	16.4	11.7	14.4	85	80	58	74	0.7	248	
20	15.9	16.7	16.5	16.4	78	76	79	78	1.9	193	
21	12.2	15.8	11.1	13.0	49	57	44	50	1.2	214	
22	14.1	11.2	17.9	14.4	61	37	80	59	7.2	163	
23	11.7	17.4	15.8	15.0	45	75	82	67	2.5	343	0.90
24	15.7	15.9	15.6	15.7	83	78	85	82	2.5	166	0.25
25	15.8	17.0	17.4	16.7	81	71	90	81	8.3	272	0.20
26	15.9	16.8	15.1	15.9	78	75	82	78	7.3	286	
27	15.8	15.0	11.1	14.0	80	69	61	70	4.8	472	
28	12.2	14.1	15.7	14.0	61	60	84	68	8.3	599	
29	7.1	7.0	11.6	8.6	28	22	48	33	2.4	676	
30	13.3	12.9	12 3	12.8	92	81	92	88	0.0	417	37.14
31	13.6	14.5	14.4	14.2	74	67	88	76	8.6	304	19.60
	12.46	13.56	13.01	13.01	70.3	68.7	74.8	71.3	4.96	366.13	5.66

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3ci	10ci-cu	0	4.3	0	1s	2s	light	D.a.m
2	10ci	10ci-st	0	6.7	1nw	1ne	0	,,	D.a.m.p.m
3	10st	10st	8st	9.3	3sw	4sw	3w	,,	
4	10st	10st	0	6.7	2sw	1nw	1nw	,,	
5	1cu	8st	10st	6.3	2sw	3sw	1sw	,,	
6	10st	10ni	10st	10.0	2sw	2sw	2sw	light	
7	6cu-st	9cu-st	10ni	8.3	2s	2w	1sw	,,	
8	10st	10st	4cu-st	8.0	1sw	1sw	1e	,,	
9	1ci	10ci	10ci	7.0	1e	3n	2n	,,	
10	10cu-ci	10cu-st	6cu	8.7	2sw	2s	1s	,,	D.a.m.p.m
11	10ci	9cu-st	10st	9.7	1e	1ne	1ne	light	D.a.m
12	10ci-st	9cu-st	10cu-st	9.7	2sw	3sw	1se	,,	
13	10ci-st	10ni	10st	10 0	1s	3sw	2sw	,,	
14	10st	8st-ci	10st	9.3	2sw	1se	2se	,,	
15	6ci	1cu	0	2.3	1se	1nw	2se	,,	
16	0	1cu-st	0	0.3	2se	2sw	2s	light	D.a.m
17	9cu-st	6cu-st	0	5.0	2sw	2sw	1s	,,	
18	0	2cu-st	0	0.7	1sw	2nw	1ne	,,	D.a.m.p.m
19	10ci-st	10ci-st	10ci-st	10.0	1e	1ne	2e	,,	D.a.m.p.m
20	10ci-st	10ci-st	0	6.7	1s	1ne	1ne	,,	D.a.m.p.m
21	10ci-st	9cu-ci	0	6.3	1sw	1ne	1e	calm	D.a.m
22	8cu-st	4cu-st	0	4.0	2sw	1ne	1sw	,,	D.a.m
23	3ci-st	10cu-st	0	4.3	1sw	1n	2ne	light	
24	9ci-st	10st	10st	9.7	2n	1n	0	,,	D.p.m
25	7ci-st	8cu-st	10st	8.3	1ne	1n	2sw	,,	D.p m
26	0	10cu-st	0	3.3	2sw	2sw	1e	light	D.a.m.p.m
27	10ci-st	10ci-st	0	6.7	1ne	1ne	4ne	,,	D.a.m
28	0	5ci-st	0	1.7	3ne	2ne	2ne	,,	D.p.m
29	10st	6ci-st	10st	8.7	5se	2se	2w	,,	W.a.m
30	10st	10st	10st	10.0	2sw	2sw	1se	,,	
31	6st	4cu-st	0	3.3	2sw	2sw	1se	,,	D.p.m
	mean			6.62					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	3	3	3	3	16	0	1	1	31
14:30	4	8	0	2	2	11	1	3	0	31
20:30	1	6	4	5	4	6	2	1	2	31
Total	6	17	7	10	9	33	3	5	3	93

Number of days with rain 15, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 10.76
Time of reading minus 2 hours equals G.C.T